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NATIONAL LIBRARY OF MEDICINE NEWS

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Message from the Director

I wish to thank the employees of the National Library of Medicine for their untiring dedication over the past twelve months. The year has been characterized by continued increases in requests for library and information services. That these demands could be met with no increase in staff is a tribute both to their diligence and their ingenuity in applying technology to increased productivity.

Among this year's highlights:

• The construction of the new Lister Hill Center building, after years of anticipation, is well under way. By early 1980 we will have a remarkable new adjunct to the present building: a communications facility dedicated to applying the benefits of modern technology to the problems of biomedical information transfer.

• Our reference librarians handled one-third more inquiries than last year, and the number of users registered in our Reading Room reached a new high. These patrons requested more material from the stacks than ever before and it is remarkable that our fulfillment rate in serving them actually increased. Similarly, the fulfillment rate for interlibrary loans edged upward despite an increase in the number of requests received.

• Two new catalogs of audiovisual materials used in health science education were published in 1977. The *National Medical Audiovisual Center Catalog*, computer-generated for the first time, lists all motion pictures and videocassettes available on short-term loan from the Center. In addition, a listing of all audiovisuals in AVLINE was published as the *NLM AVLINE Catalog*.

• A new satellite terminal facility at NLM made its debut in 1977. Using the Communications Technology Satellite, crisp color pictures and clear voice signals are regularly exchanged within an experimental transcontinental network. The network is being used by several Public Health Service agencies and the transmissions are coordinated by NLM's Lister Hill Center.

• Usage of MEDLINE and the Library's other on-line data bases continues to increase steadily. This year almost 900,000 on-line and off-line searches were done at the 800 institutions in the U.S. that belong to the NLM network.

• CHEMLINE, the Library's on-line chemical dictionary, has been enlarged to include information on 243,373 unique chemical substances. This is a major expansion (CHEMLINE previously contained records on 98,860 substances) that will extend its usefulness in

With this issue. . .

Included with this issue are three enclosures—a staff directory (with list of Regional Medical Libraries), a publications guide, and an advance order form for the 1977 edition of *Cumulated Index Medicus*. The publications supplement provides guidelines for ordering NLM publications from the Government Printing Office and the National Technical Information Service, a list of reprinted publications, information on claiming publications ordered from GPO, and an index listing most NLM publications, including those recently out of print.

NATIONAL LIBRARY OF MEDICINE
NEWS

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supporting other data bases dealing with chemical substances.

My thanks go not only to the Library's staff but also to friendly health professionals and librarians around the country, without whose cooperation and support this progress would not have been possible.

Best wishes for the holiday season and the coming year.

Martin M. Cummings, M.D.
Director

NLM Chemist Assumes Post in Chemical Society Unit

Melvin L. Spann, a chemist in NLM's Specialized Information Services, has been elected Assistant Secretary of the Division of Chemical Information, American Chemical Society. In this position he will provide liaison with the Society's national headquarters and serve as chairman of the Division's Membership Committee.

Active in the affairs of the American Chemical Society, Mr. Spann was Co-Chairman of the Workshop on Computer-Based Information Storage and Retrieval recently sponsored by the Society.

Hospital Medical Libraries and NLM

Eleven hospital librarians from around the U.S. have been invited to NLM on January 30-31 to discuss with NLM staff the relationship between hospital libraries and various activities of the National Library of Medicine that affect them. Present NLM services will be carefully examined to see how they might be modified, and perhaps new programs suggested, so that NLM can be more responsive to the needs of the hospital-based health science community.

Among the tentative agenda items for the meeting are: (1) on-line services to hospitals, (2) scope of NLM data bases in coverage of hospital-related literature, (3) locator tools such as SERLINE (Serials On-Line) and others, (4) the Consortium Improvement Grant Program, (5) stabilizing the growth of Federal support of interlibrary loans, (6) impact of copyright, and (7) training needs of hospital librarians.

The hospital librarians who will be attending the meeting are: Jacqueline Bastille, Massachusetts General Hospital (Boston); Judith M. Topper, Lawrence Hospital, Bronxville, N.Y.; Betsy Schreder, Veterans Hospital, Wilkes-Barre, PA; Alice Sheridan, Fairfax Hospital, Falls Church, VA; Barbara Coe Johnson, Harper Hospital, Detroit, MI; Marilyn Gibbs, Dekalb General Hospital, Decatur, GA; Judith Messerle, St. Joseph Hospital, Alton, IL; Sara Hill, St. Luke's Hospital, Kansas City, MO; Jane A. Lambremont, Earl K. Long Hospital, Baton Rouge, LA; Faye Meyn, Sacred Heart General Hospital, Eugene, OR; and Kay Kammerer, Alta Bates Hospital, Berkeley, CA. In addition, one director of a Regional Medical Library will attend, as will an official from the American Hospital Association and one from the Veterans Administration.

A summary of the meeting will be published in the *NLM News* and other appropriate publications. A report of the meeting will also be made to the RML Directors at their February 2, 1978, meeting and to the Medical Library Association at its annual meeting next June.

New Copyright Law to Affect Interlibrary Loans

The new Copyright Law (PL 94-553), which becomes effective January 1, 1978, will necessitate a change in NLM's interlibrary loan policy. After January 1, *borrowing* libraries must indicate to lending libraries that they are in compliance with the new law or with the interpretive guidelines.

In view of this requirement, after January 1st, NLM will accept only interlibrary loan requests bearing the copyright compliance statement or code. Request forms must, as before, bear the signature of the authorizing librarian. Electronic transmissions (TWX) must also include the compliance information and the name of the authorizing person.

The American Library Associaton has revised the loan request form and, in addition to other changes, added two statements in the lower left corner and a box next to each: "Request complies with 108(g)(2) guidelines (CCG)" and "Request complies with other provisions of copyright law (CCL)." A copy of the revised form and a detailed explanation of its use appeared in the October 1977 issues of *American Libraries* and *MLA News*.

One of the two statements must be checked on *all* forms submitted; those not checked (and signed) will be rejected. TWX transmissions need bear only the code *CCG* or *CCL* and the authorizing name. Old interlibrary loan forms will continue to be accepted if the statement and/or the code is added by hand to the form; new forms should be substituted as soon as old supplies are exhausted.

Complying with quantitative restrictions

The guidelines for Section 108(g)(2) (which restricts copying "in such aggregate quantities as to substitute for a subscription to or purchase of such a work") establish a definition of aggregate quantities as follows: filled requests for any given title must not exceed five in any one calendar year for articles from issues published within the last five years. If this quantitative restriction has not been exceeded, check the box for *CCG* (or enter the code on the TWX or old form). For a brief portion from a monographic work, five items are permitted over the entire copyright life of the work (after January 1 this becomes the life of the author plus fifty years).

In addition, the guidelines provide for considering a copy received on interlibrary loan as if it were made from your own collection if: you have a subscription to the journal in force or have entered an order for it, you have entered an order for a copy of any other type of copyrighted work requested, or you own the material but it was not reasonably available (at the bindery, out on loan, etc.). In these cases as well, check or enter *CCG*.

Complying with other copyright provisions

Check or enter "Request complies with other provisions of copyright law (CCL)" when the request is sanctioned under parts of the law other than the subsections of Section 108 and the interpretive guidelines discussed above. Here are some examples of situations in which CCL is used: when an entire work or a substantial part of it is needed and a copy cannot be obtained at a fair price after a reasonable search; when the request comes under "fair use" (Section 107 describes fair use); if the request conforms to the guidelines for classroom copying; when permission of the copyright owner is secured; and when the material requested is not protected by copyright (such as a work prepared by an employee of the U.S. Government as part of that person's official duties).

It should be noted that published reports of original research supported with funds from agencies of the U.S. Public Health Service may be copyrighted. *However,* individuals are authorized to make

single copies of such reports or articles for their own use. It is possible to identify in MEDLINE those articles that fall in this category since, beginning in 1975, articles that contain a notice of Public Health Service support have been indexed with the Medical Subject Heading—U.S. GOVERNMENT SUPPORTED.

The preceding brief discussion of complying with quantitative and other copyright provisions is provided only to acquaint *News* readers in a general way with how the law may affect them. Librarians should check specific cases in question with their legal counsel.

Sources of help

The Medical Library Association has published a guide: *The Copyright Law and the Health Sciences Librarian*, available for $3 from the Medical Library Association, Suite 3208, 919 N. Michigan Ave., Chicago, Illinois 60611. That publication and the ALA's *Librarian's Guide to the New Copyright Law* both contain pertinent significant portions of the law and guidelines. The latter publication is now available for $2 from the Order Department, American Library Association, 50 East Huron, Chicago, IL 60611.

Community Health Information Network Supported by NLM Grant

An NLM Resource Project Grant was recently awarded to support the "Community Health Information Network"—a community-based information resource created by six public libraries in the Cambridge, Massachusetts, area and the Health Sciences Library of the Mount Auburn Hospital. One purpose of the network, and the one specifically aided by the NLM grant, is to make professional health sciences literature easily accessible to community-based health practitioners in the Cambridge area who lack hospital affiliation.

Through funds provided by the state of Massachusetts and from the Hospital Research and Education Trust, the role of the network is extended to provide health information and education services to the public at large.

Thomas P. O'Neill, Jr., Speaker of the House of Representatives, in announcing the award of the NLM grant, said: "This innovative Network recognizes the need to make available to health providers who have no institutional affiliation and to consumers more complete and timely educational materials on health and illness.

"The libraries participating in the Network will become the place to turn with health information questions. Here trained librarians will use the materials in their own collections to provide the answers, or they can get further information through the library at Mount Auburn Hospital."

A Community Advisory Council is an important part of the Network's organization. Through this Council, the consumer will have a direct voice in the design and implementation of the Network's programs. Each community will be represented by three people who have indicated an interest in community or health affairs.

A brief ceremony marking the start of the Community Health Information Network was attended by House Speaker Thomas P. O'Neill, Jr. (second from right). Shown with Congressman O'Neill (left to right) are Lawrence Witte, Associate Administrator of Mount Auburn Hospital and principal investigator of the project; medical librarian Ellen Gartenfeld, Network Coordinator; and Sigrid Reddy, Network Librarian of the Watertown Public Library, one of the six public libraries involved in the project.

According to Lawrence M. Witte, As-

sociate Administrator of Mount Auburn Hospital and the principal investigator of the project, two factors motivated the design of the Network. "The need of consumers to understand the processes of health and disease so that they may be more active participants in their health care has been growing steadily. Also, local health providers in the communities we serve have made known their need for current information from the published professional literature. To meet these needs, the public librarians of the Network, with support from the Health Sciences Library and the Community Health Education Department of Mount Auburn Hospital, are eagerly expanding their community services."

The first priority of the project is to create an efficient interlibrary loan system to allow the public libraries access to existing medical library resources. At the same time, the public libraries are improving their basic collections in the field of medicine and health. This will mean that most consumers can have their questions answered in their own libraries and that individuals with more extensive needs can start their search in collections with which they are already familiar. If the local libraries cannot meet a user's need, arrangements will be made to use the Mount Auburn Hospital Library and other health sciences collections in the Greater Boston area.

Lister Hill Center Develops Prototype Information System for Practitioners

The health care practitioner is faced with a profusion of words on almost any biomedical topic. The practitioner's problem is not so much in being unable to find the sources of information as it is in having the time and access to a source of information appropriate for his needs.

The Library's Lister Hill Center is developing a prototype system to translate new research findings into a form useful for health care practitioners. The system aims at providing a comprehensive bank of information which: 1) will contain substantive answers to questions posed by practitioners; 2) will provide answers that are current and are the consensus of a group of experts; 3) will be immediately responsive to inquiries (reliable, ready access); and 4) will provide data supporting the answers as well as citations to primary publications for more detailed study, if desired. The diseases "viral hepatitis" have been selected to serve as a test model for such an information transfer system.

Knowledge pertaining to aspects of viral hepatitis important to the practitioner and/or academician has been synthesized into one body or "bank" of information. The contents are derived from several reviews or syntheses on the subject previously published by hepatitis experts. Relevant information has been selected, placed in a highly organized hierarchical arrangement to permit easy retrieval, and encoded into a minicomputer.

The data base, still in draft form, is arranged by topics (headings). For each heading there is an accompanying heading-statement which synthesizes the state of knowledge about a subject. Each heading and heading-statement is supported by "data elements"—paragraphs taken from the previously published source documents. Citations included within the data element paragraphs are to the primary publications cited by the experts in their source document articles to back up their conclusions or general statements. This draft hepatitis data

Dr. Lionel M. Bernstein (left) and Dr. Elliot R. Siegel experiment with the on-line hepatitis data base.

base can now be explored via terminals at NLM.

After the prototype computerized information bank is validated and brought up to date, methods of allowing users to access the information will be studied. Access may be direct via a computer terminal or through a trained intermediary using a toll-free dial-access telephone number; users also may receive computer-generated printed material, either in response to specific queries or as a complete document on a given disease. The information bank also will be made available to professional societies and to other producers of health-related information products and services, ranging from scholarly monographs to multimedia instructional packages.

For more information about this prototype information system, write to:

Lionel M. Bernstein, M.D.
Lister Hill Center
National Library of Medicine
8600 Rockville Pike
Bethesda, MD. 20014

Recent PL 480-Funded Publications

The Library's Special Foreign Currency Program, authorized under Public Law 480, provides limited financial support for the preparation of analytic critical reviews and biomedical monographs, secondary tools, scholarly research projects in the history of medicine, and support for the English-language translation and publication of selected foreign monographs in the health sciences. Administered by NLM's Extramural Programs, the P.L. 480 program sponsors projects in India, Egypt, Poland, Israel, Tunisia, and Pakistan.

Recent studies published under this program are listed below. *Note:* These are not distributed by NLM, but are available only from the publishers.

Baranski, Stanislaw, and Czerski, Przemyslaw. *Biological Effects of Microwaves.* Stroudsburg, Pa.: Dowden, Hutchinson & Ross, Inc., 1976. 234 pp.

Cabalska, M.D. (ed.). *Proceedings of the International Symposium on Laboratory Screening Techniques for Inborn Errors of Metabolism in Newborn and Selected High-Risk Infants.* Warsaw, Poland: Foreign Scientific Publications Department of the National Center for Scientific, Technical and Economic Information, 1976. 285 pp. (Distributed by the National Technical Information Service, Springfield, Va.)

Ginsburg, Isaac, and Sela, Michael N. "The Role of Leukocytes and Their Hydrolases in the Persistence, Degradation and Transport of Bacterial Constituents in Tissues: Relation to Chronic Inflammatory Processes in Staphylococcal, Streptococcal, and Mycobacterial Infections, and in Chronic Periodontal Diseases." In: *Critical Reviews in Microbiology,* Vol. 4, Cleveland, Ohio: Chemical Rubber Co., 1976, pp. 249–332.

Izak, Gabriel (ed.) "International Symposium on Malignant Neoplastic Diseases. I," *Israel Journal of Medical Sciences,* Vol. 13, No. 7, July 1977. pp. 651–752.

Izak, Gabriel (ed.). "International Symposium on Malignant Neoplastic Diseases. II," *Israel Journal of Medical Sciences,* Vol. 13, No. 8, August 1977. pp. 753–869.

Lesky, Erna. *The Vienna Medical School of the 19th Century.* Trans. from German by L. Williams and I.S. Levij, Jerusalem, Israel Program for Scientific Translations. Baltimore, Md.: The Johns Hopkins University Press, 1976. 604 pp.

Mechoulam, Raphael; McCallum, Neil K.; and Burstein, Sumner. "Recent Advances in the Chemistry and Biochemistry of Cannabis," In: *Chemical Reviews,* Vol. 76, Eason, Pa." American Chemical Society, 1976, pp. 76–112.

Rudowski, Witold J. (ed.). *Disorders of Hemostasis in Surgery.* Hanover, New Hampshire: The University Press of New England, 1977. 465 pp.

———; Nasilowski, Wieslaw; Zietiewicz, Witold; and Zienkiewicz, Konrad. *Burn Therapy and Research*. Baltimore, Maryland: The Johns Hopkins University Press, 1976. 332 pp.

Samueloff, Shlomo, and Endholm, O.G. (ed.). "Jerusalem Satellite Symposium on Environmental Physiology," *Israel Journal of Medical Sciences*, Vol. 12, No. 8, August 1976, pp. 719–903.

Recent Self-instructional Programs

Information about the following self-instructional programs, developed under the sponsorship of the Library's National Medical Audiovisual Center in Atlanta, is available from:

National Medical Audiovisual Center
(Annex)
Station K
Atlanta, Georgia 30324

- Acute Myocardial Infarction Series
- Anatomy of Major Arteries to the Lower Extremities
- Anesthesia Gas Systems and Machines
- Erythroblastosis Fetalis: Prenatal Management and Prevention
- Evaluation of the Gingiva in the Periodontal Examination
- Gross Anatomy Series
- Human Physiology Series
- Intestinal Function and Diarrhea
- Mediastinoscopy Using Bivalve Speculum
- Normal Delivery of Triplets
- Recognition and Management of The Neonate with Heart Disease
- Right Heart Catheterization
- Surgical Anatomy of the Duodenum, Small and Large Intestines
- Surgical Anatomy of the Female Pelvis
- Surgical Anatomy of the Gallbladder and Bile Ducts
- Surgical Anatomy of the Lateral Neck
- Surgical Anatomy of the Stomach and Pancreas
- Vaginal Hysterectomy for the Enlarged Uterus

Publication Notes

CIM 1977

A price has been announced by the Superintendent of Documents in advance of publication for the 1977 edition of *Cumulated Index Medicus*, Volume 18, *due to appear in April 1977*. The *1977 CIM* will sell for $202 ($252.50 foreign), the same price as the 1976 edition. The stock number is S/N 017-052-00184-1. (An advance order form, for use in ordering from the Superintendent of Documents, is included with this issue of the *News*.)

CIM for 1977 will comprise 14 books rather than 8 as in the past, although the total number of pages will remain approximately the same as the previous edition. This change was made to promote ease of handling and greater durability.

NTIS Report

Conference on Translating National Health Policies into Health Practice (June 1–4, 1977): Final Report. (National Technical Information Service, Springfield, VA 22161.) PB-271-651. Price: $4.50 ($3.00 microfiche).

This conference was conducted by the Brookings Institution's Advanced Study Program in cooperation with NLM. The purpose was two-fold: (1) to provide a forum for increased interaction and exchange of information and views on important health policy issues between those who formulate and administer health policies and those who are responsible for providing quality health care; and (2) to identify with some precision the information requirements of health planners and suggest how best to serve these needs. The report includes a summary of the highlights of the conference discussions; it also includes a list of participants and a schedule of the sessions.

New Literature Search on DNA

The Library has produced a new Literature Search, available on request, containing recent citations on recombinant DNA. The search, which covers the period May 1976 through November 1977, lists 162 references

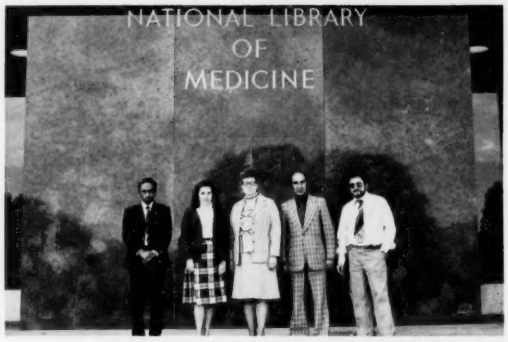
to articles dealing with the methods and techniques of recombining DNA; the uses of recombinant DNA; and the ethical, legal, and safety aspects of DNA recombination. Copies of the new search—*L.S. No. 77-15 (Recombinant DNA)*—may be obtained by writing the Library's Literature Search Program, MEDLARS Management Section. Copies of a previous search on *Recombinant DNA, (L.S. No. 76-25)* are also available. Please include a self-addressed gummed label with your request.

Serial Gap List

NLM is soliciting the help of the medical library community in filling gaps in our serial collections. If you can provide any of these items we would be most grateful. Please address to:

National Library of Medicine
TSD-GAPS
8600 Rockville Pike
Bethesda, MD 20014

Acta Gastroenterologic Belgica 33: 8–9, 1970
Acta Gerontologica et Geriatrica Belgica 4: 4, 1962, 5: 1–4, 1967; 6:3,1968; 10:1, 1972
African Journal of Pharmacy and Pharmaceutical Sciences 1, 1971; 2: 1–2, 1972
Clinical Electroencephalography 14: 6–8, 12, 1974
Environment Report 8:2, 1977
Etudes Psychotherapeutiques 5:1, 1974
Family Planning Perspectives 7: 4, 1975
Family Practice News 3, 1973
Magyar Radiologia 26, 1974
Medical Aspects of Human Sexuality 10: 3, 1976
Medicine Espanola 63: 372, 375; 64: 378
New Physician 16: 8, 1967
Public Policy 24: 1–2, 1976
Strabismus and Amblyopia 1: 11, 1974
Transactions of the Ophthalmological Societies of the United Kingdom 63, 1943
University of Ottawa Medical Journal 16: 1–2, 1971; 17, 1972
University of Toronto Medical Journal 40: 4, 1962; 43: 6, 1965; 44: 3–6, 1966; 53: 1, 1976



Mary E. Corning (center), Assistant Director for International Programs, is shown with four foreign trainees who have been working at NLM. From left, they are Shree Nath Agarwal (India), Maria Helena Piegas (Brazil), Amir M. Nikbakht (Iran), and Andr´e Roussel (France).

Personnel Notes

Gain

• Shyrlye White, Personnel Management Specialist, Office of Personnel Management

Losses

• Frances Davis, Clerk, Reference Services Division
• Luis del Rio, Assistant Director for Administration and Operations, National Medical Audiovisual Center
• Alan Hollmeyer, Budget Analyst, Office of Administration
• Melvin J. Josephs, Ph.D., Chief, Technical File Implementation Branch, Specialized Information Services.